

9900D DATA SHEET 1200, 1250, 1500, 1600, 2000KVA

ABOUT US

The Mitsubishi Electric name has long been recognized as one of the world's leaders in the manufacture of electrical products. From its founding in 1921, Mitsubishi Electric has been at the forefront of technical ingenuity and product innovation. Since 1964, Mitsubishi Electric has been manufacturing precision engineered highly reliable Uninterruptible Power Supplies and solving the challenges of American critical facilities since 1985. True to form, Mitsubishi Electric has led the way in technological advances of uninterruptible power supplies and is the only brand that manufactures its own semiconductors. Evidence of Mitsubishi's unsurpassed expertise lies in the fact that a Mitsubishi Electric UPS holds the highest efficiency rating for the AC-Double Conversion (VFI) category on the Energy Star web site. Interestingly, Mitsubishi Electric is the only brand to openly share reliability data.

OUR SERVICES

With more than 250 certified technicians in the field, Mitsubishi Electric offers around the clock protection, keeping your operations safe against outages, grid decay and other crucial threats to the flow of business. Offerings include routine maintenance checks, priority demand on parts and service, and 24/7 communication with experienced technical support staff. Comprehensive maintenance inspections include UPS diagnostic reports, complete battery testing, and site hazard checks to keep your systems running at maximum efficiency. Other services include factory witness testing and collaborative engineering. With their highly skilled technicians, day and night technical support, and premier equipment, Mitsubishi Electric has the resources to keep customers safe from the unexpected.

The 9900D UPS from Mitsubishi is a true on-line, double conversion three phase UPS that will protect your equipment from disruptions in power, such as brown-outs, line noise, voltage transients, and power outages.

Its modular design enables supplemental modules to be added over time as needed by increased capacity, making hyper-scale expansion faster, easier and more economical. The 9900D features industry leading power density and the latest in Mitsubishi Electric IGBT technology. Best in class technology increases UPS reliability and lowers total cost of ownership.

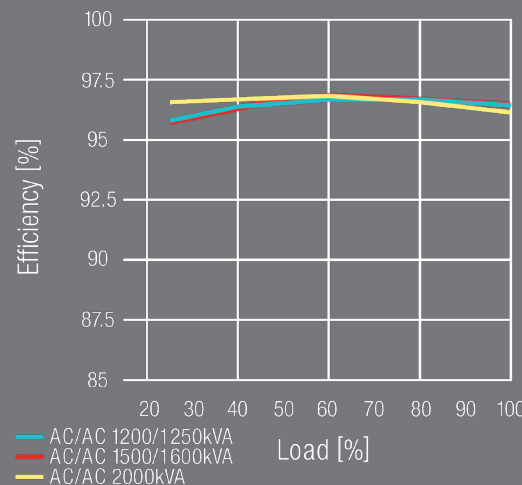
It is available at 1200kVA or 1250VA and expandable to 1500, 1600, or 2000kVA sizes.



Ideal for hyper-scale data center applications.

FEATURES & BENEFITS

- Space saving footprint
- True on-line double conversion
- Up to 97% efficient
- Modularity allows for N or N+1 reliability
- Expandable in 400kVA increments





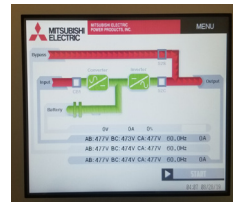
The 9900D can be Expanded in 400kVA Increments from 1200kVA to a Maximum of 2000kVA



Optional Maintenance Bypass Cabinet



The 9900D is available in Black



Advanced Touch Screen Interface

NOTE: Above illustrations are not to scale.

	9900D				
Rated Output kVA	1200	1250	1500	1600	2000
Rated Output kW	1200	1250	1500	1600	2000
AC INPUT					
Configuration	3 phase, 3 wire				
Voltage	480V				
Frequency	60Hz +/- 10%				
Power Factor	.99 Lagging				
Reflected Current THD	3% typ. at 100% load; 5% typ. at 50% load				
BATTERY					
Type	VRLA, VLA, NiCad, Li Ion, Flywheel				
Backup Time	10s - 30 min+				
Nominal Voltage	480 VDC				
Minimum Voltage	350 VDC (370VDC on 1250kVA)				
Number of Cells	240 (VRLA)				
AC OUTPUT					
Configuration	3 phase, 3 wire				
Voltage	480V				
Voltage Stability	+/-1% steady state				
Voltage Unbalance	2% typical at 100% unbalanced load				
Voltage THD	2% typical THD at 100% linear load 5% THD at 100% non-linear load				
Transient Response	+/-5%				
Transient Recovery Time	20 ms				
Frequency	60 Hz				
Frequency Regulation	+/-0.01% in free running mode				
Phase Displacement	1deg Typical at 100% load				
Power Factor	0.95				
Power Factor Range	0.7 to 1.0 lagging (within output kW rating)				
Overload Capacity	105%-125% for 5 minutes, 126%-150% (144% for 1250kVA) for 1 minute				
ENVIRONMENTAL					
Cooling	Forced Air				
Operating Temperature	32°F to 104°F (0°C to 40°C). Recommended 59°F to 77°F (15°C to 25°C)				
Relative Humidity	30% to 90% non condensing				
Altitude	0 to 6500 feet no derating				
Location	Temperature-controlled, indoor area free of conductive contaminants				
Clearance Required	Top: 23.6 in. Front: 39.4 in. Rear: 0 in.				
GENERAL					
Weight (lbs)	7,500	7,500	10,700	10,700	12,400
Dimensions (WxDxH) (in)	133.9 x 35.4 x 80.7	133.9 x 35.4 x 80.7	165.4 x 35.4 x 80.7	165.4 x 35.4 x 80.7	189.0 x 35.4 x 80.7
Heat Rejection (kBTU/Hr)	126.6	131.9	158.3	168.8	211.1

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